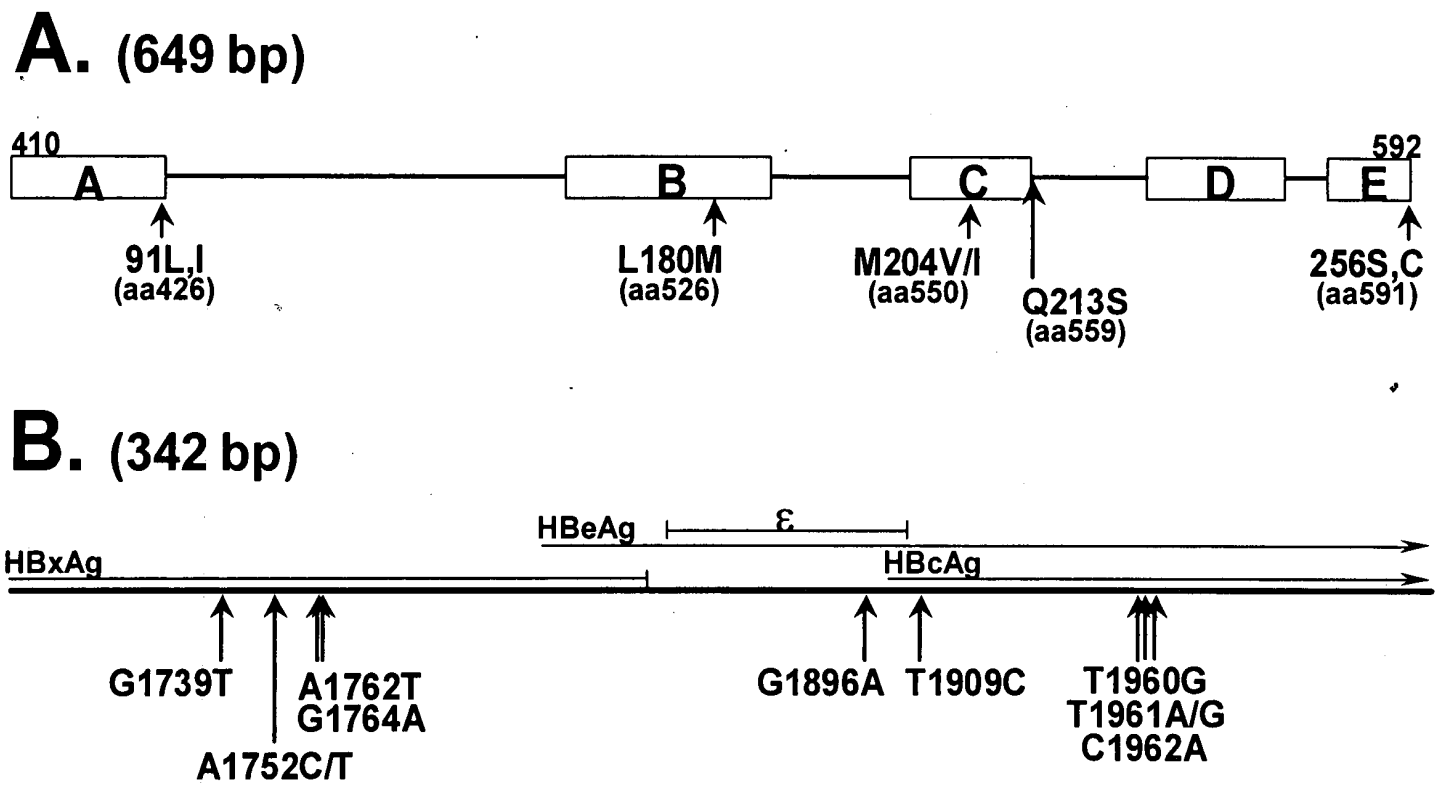

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Figure 1: Locations of HBV sequences associated with lamivudine treatment outcome.

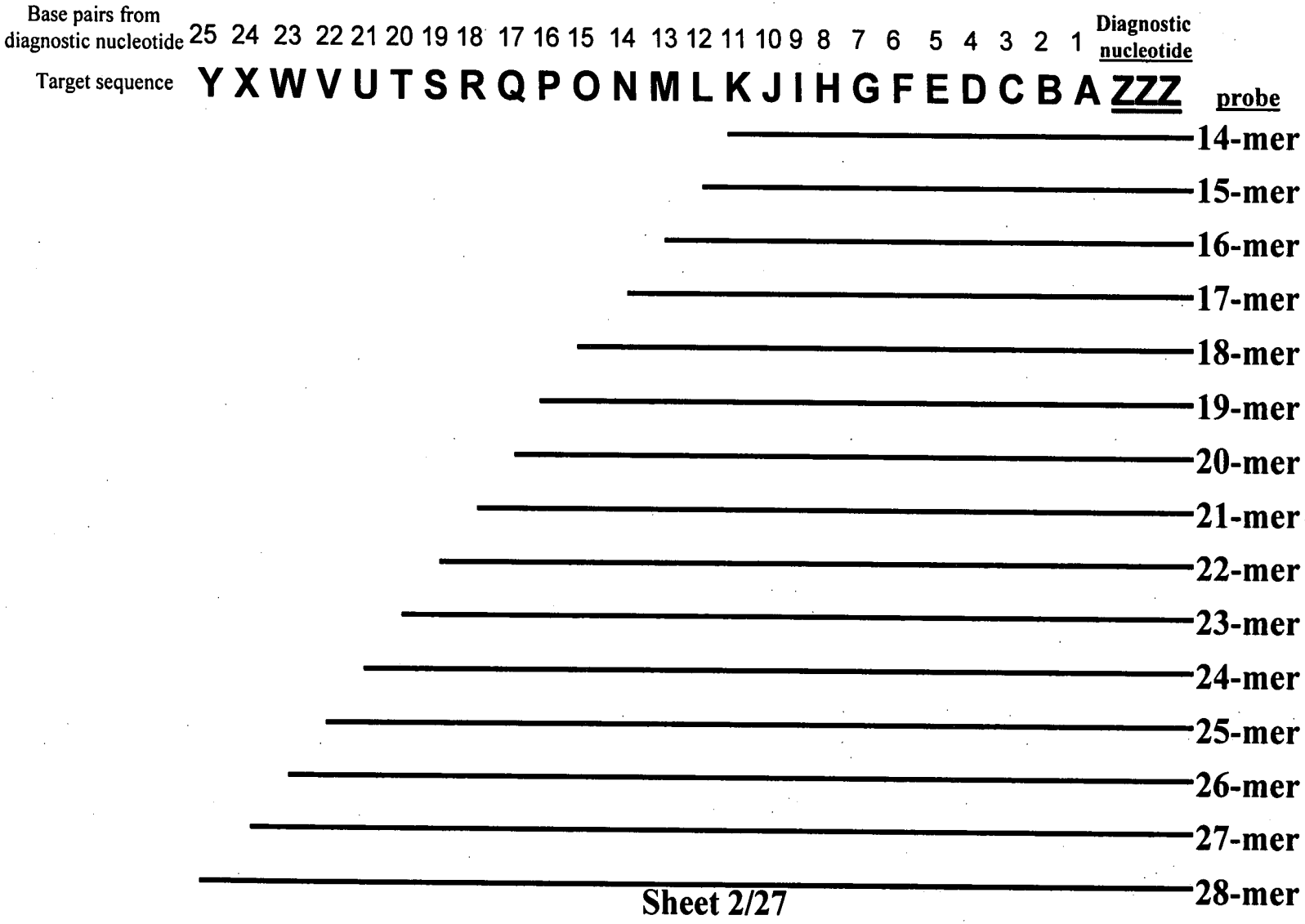

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Figure 2

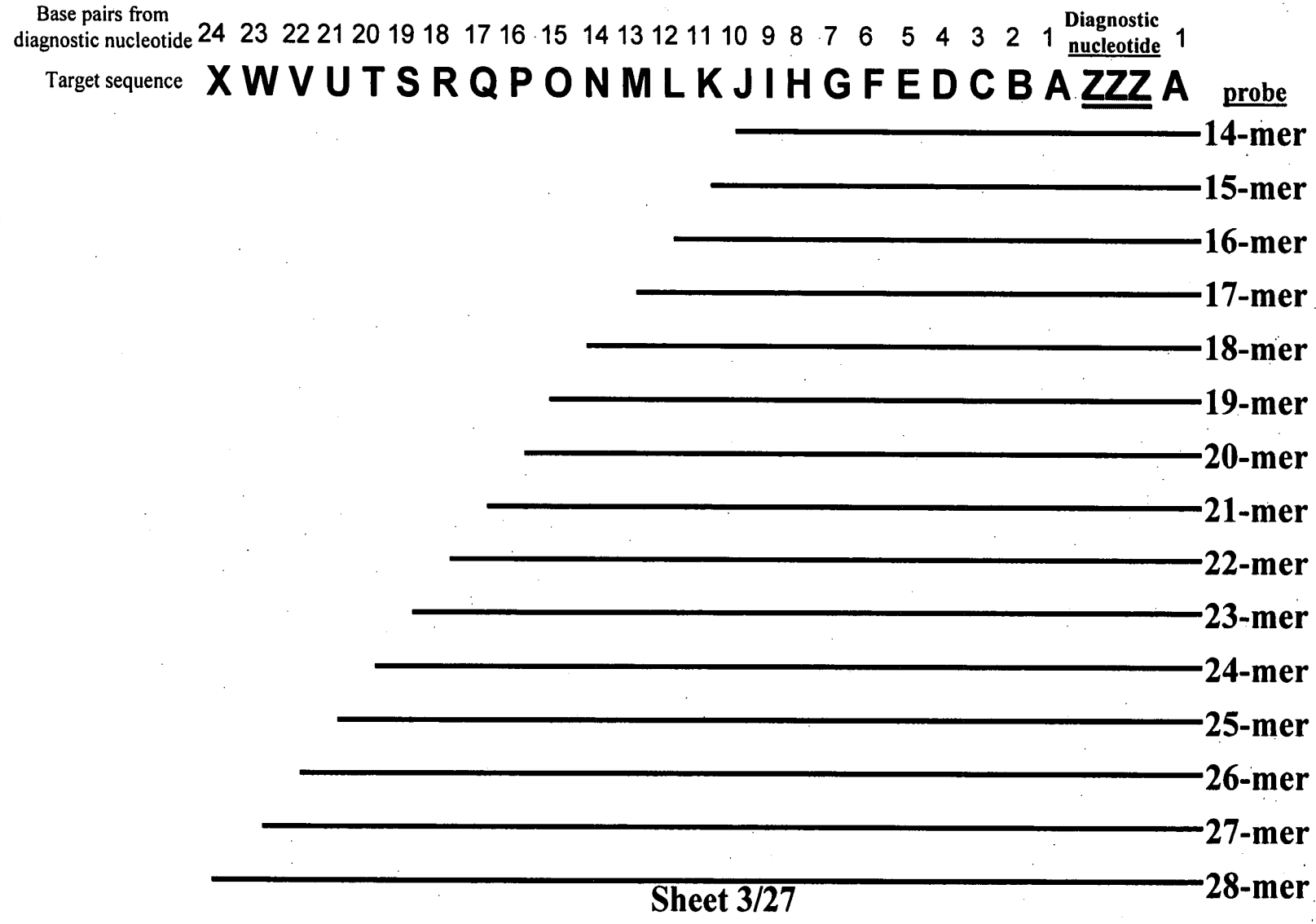

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Figure 3

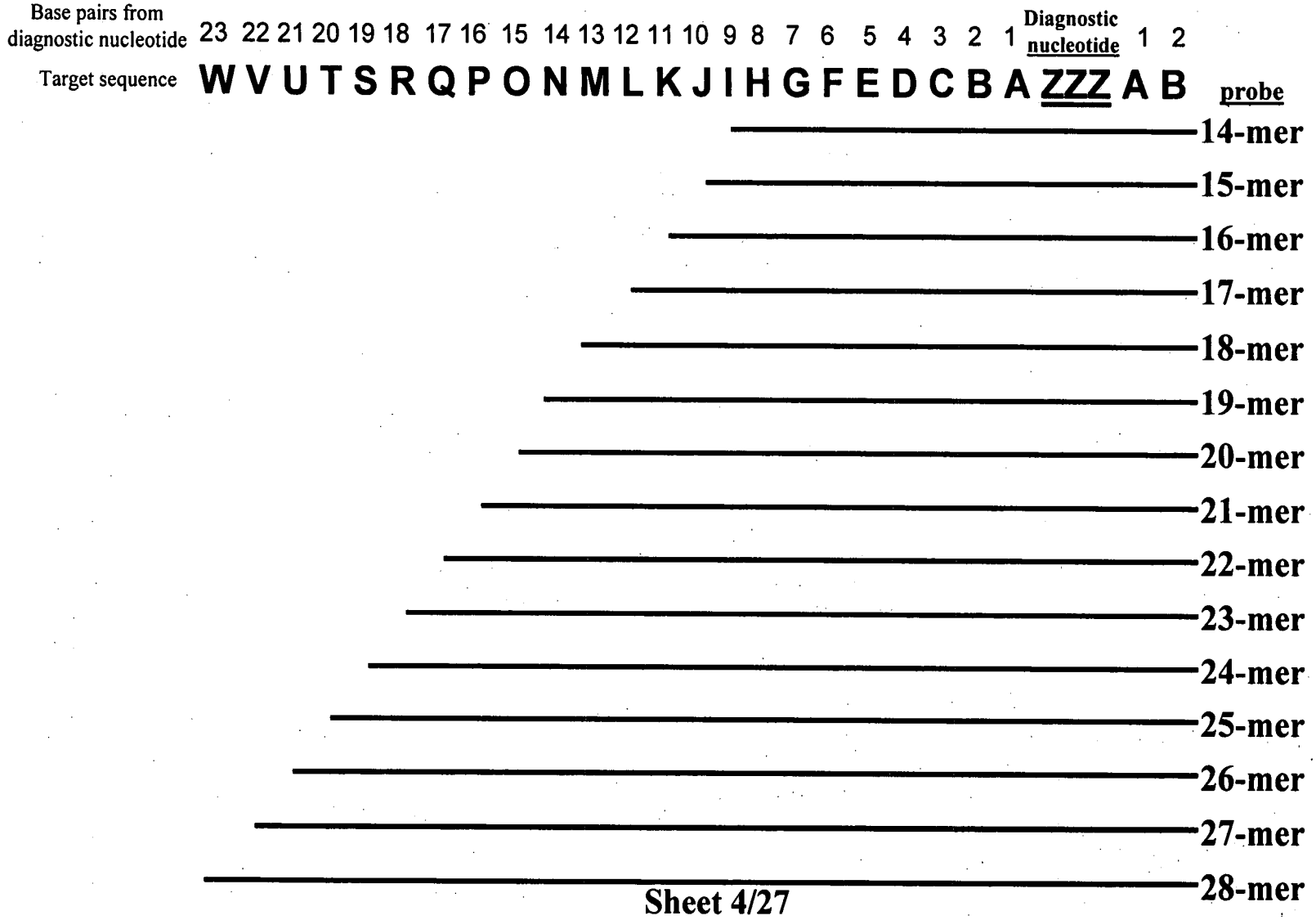

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Figure 4

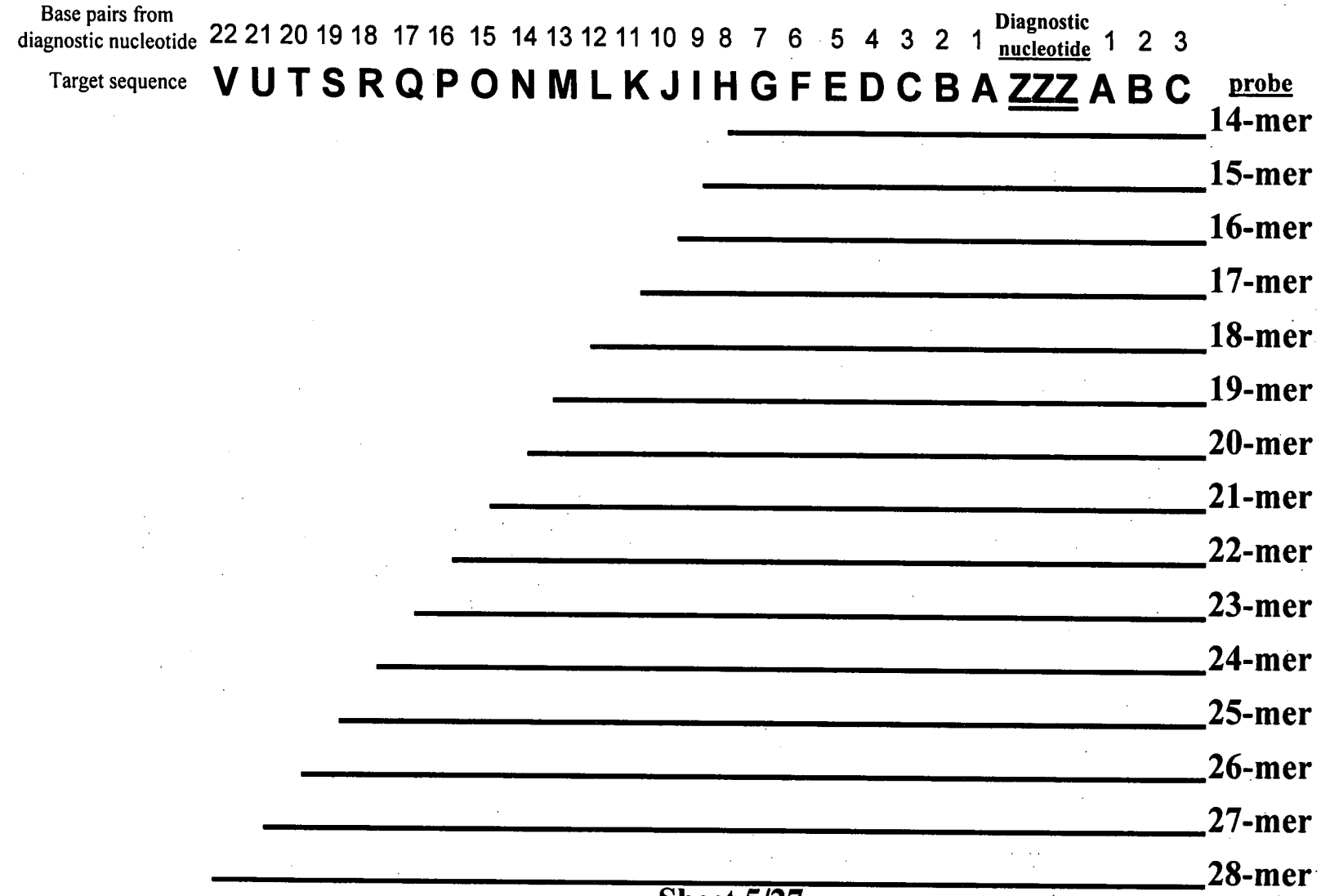

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Figure 5

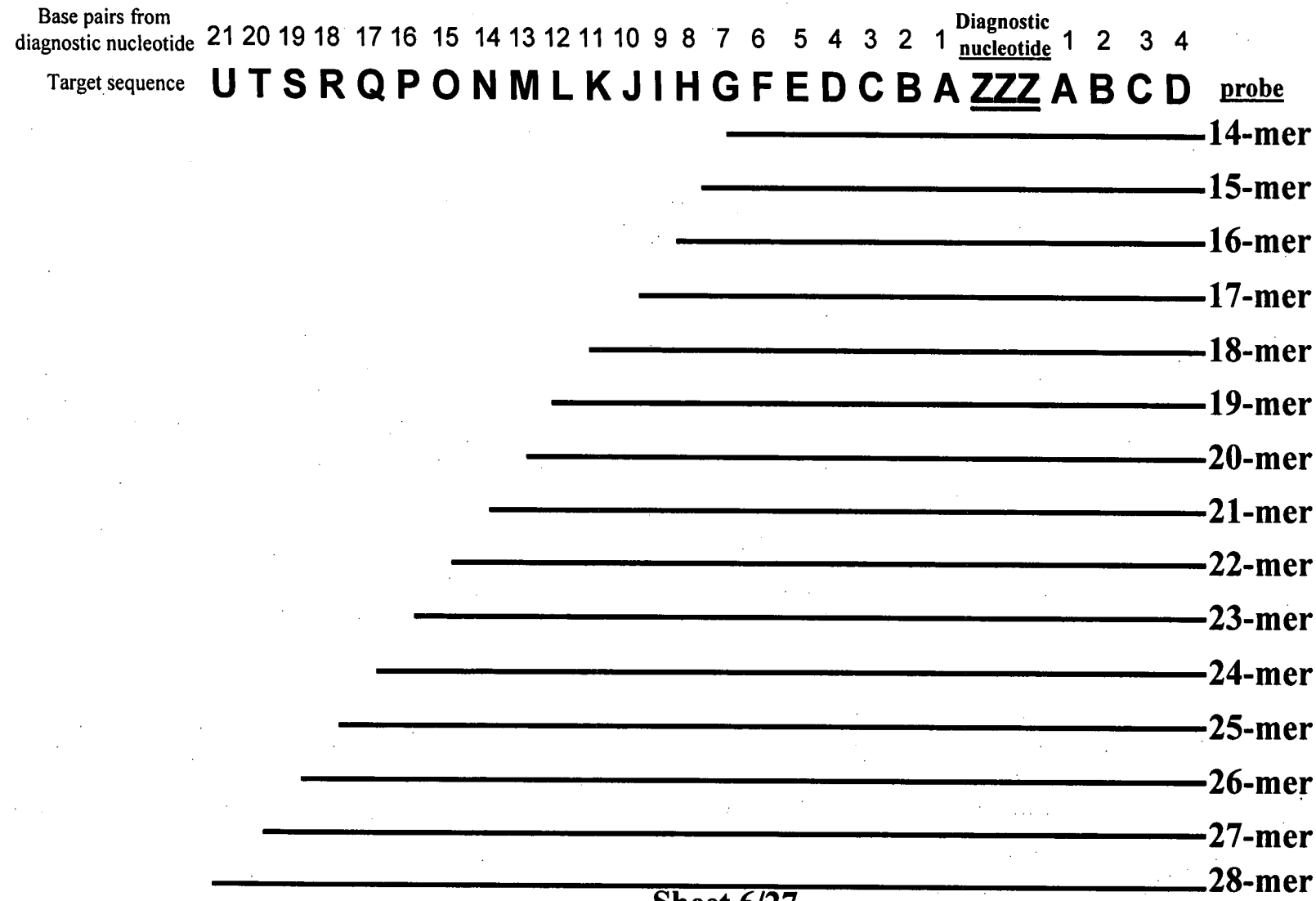

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Figure 6

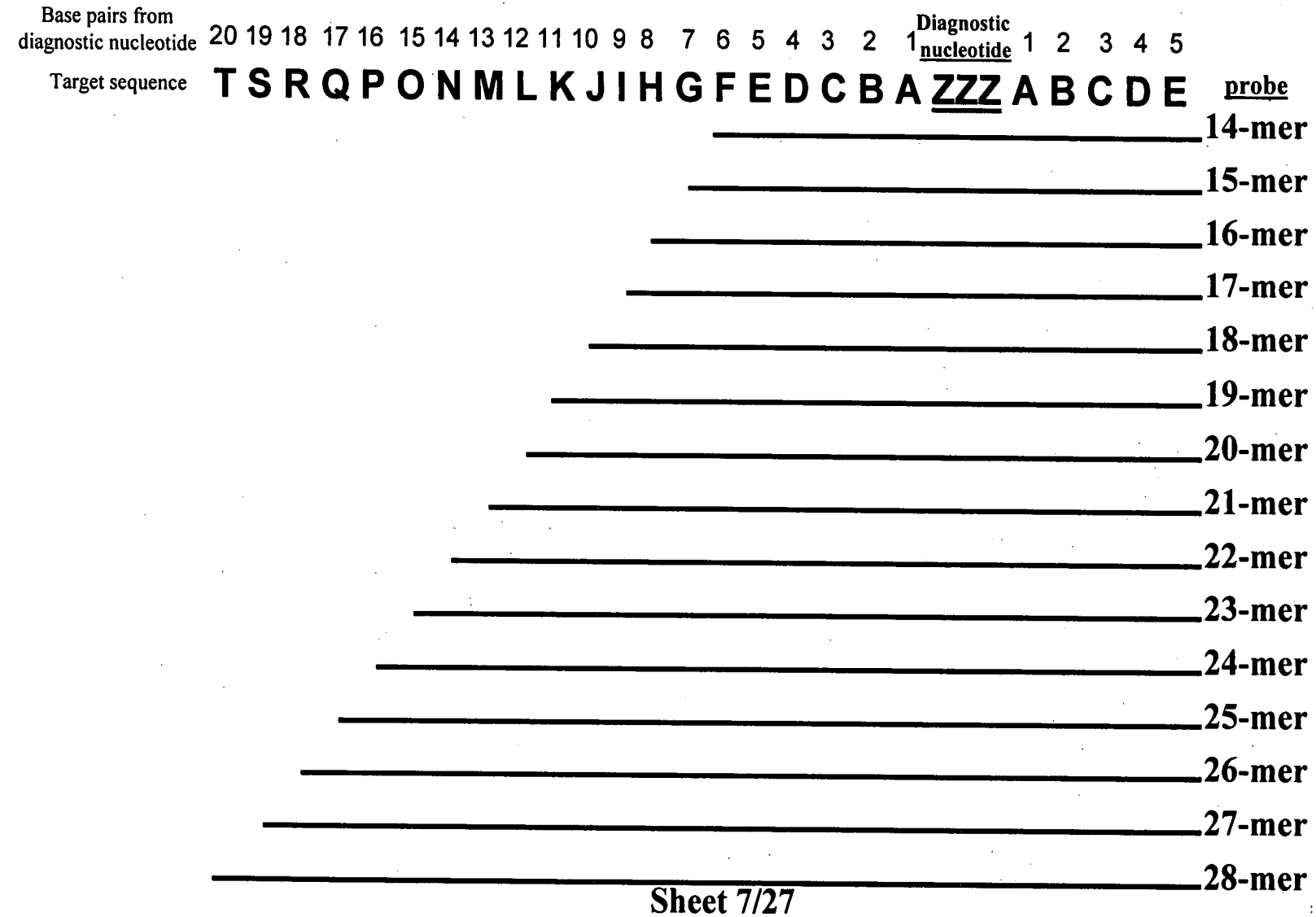

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Figure 7

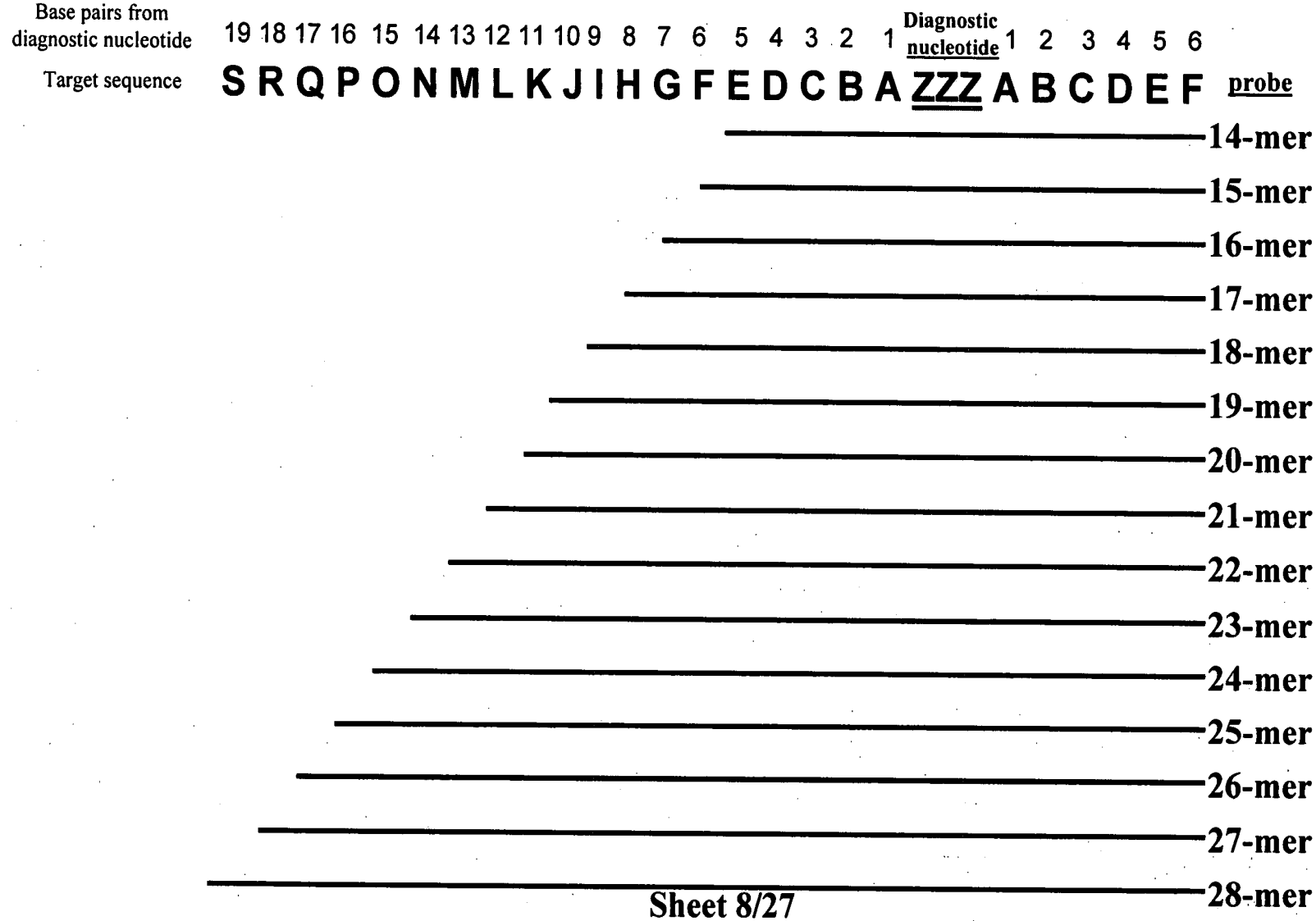

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Figure 8

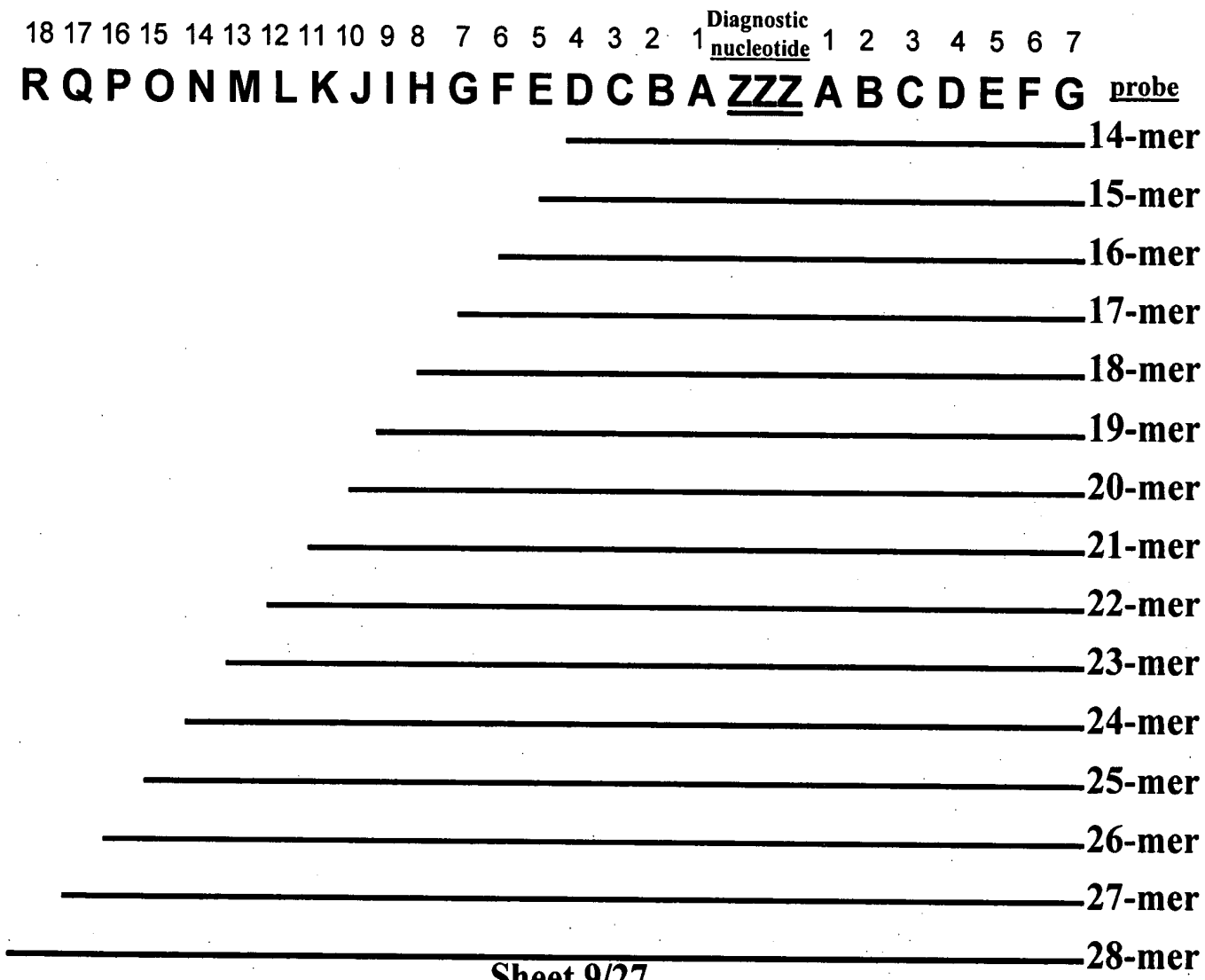

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Figure 9

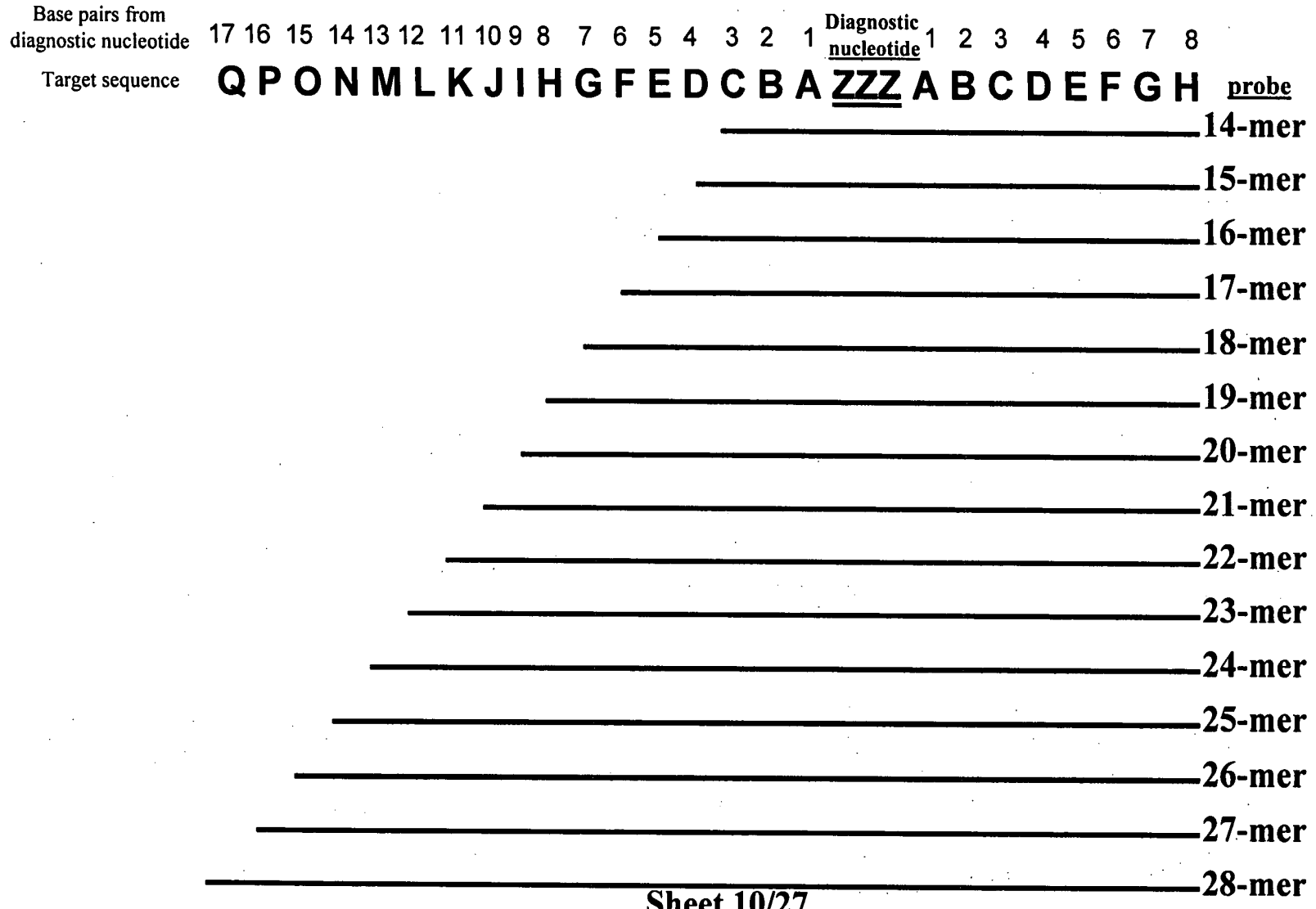

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Figure 10

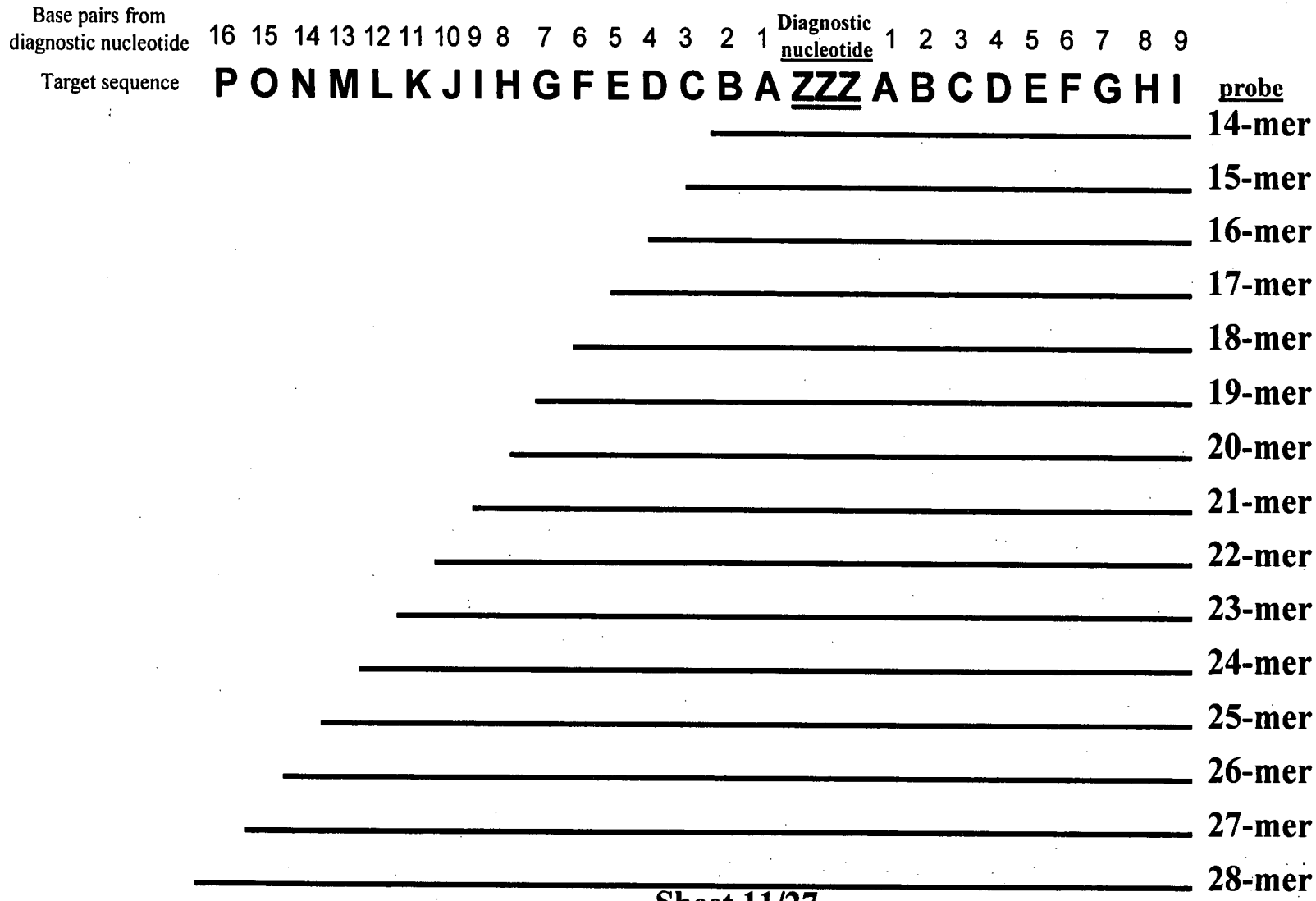

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Figure 11

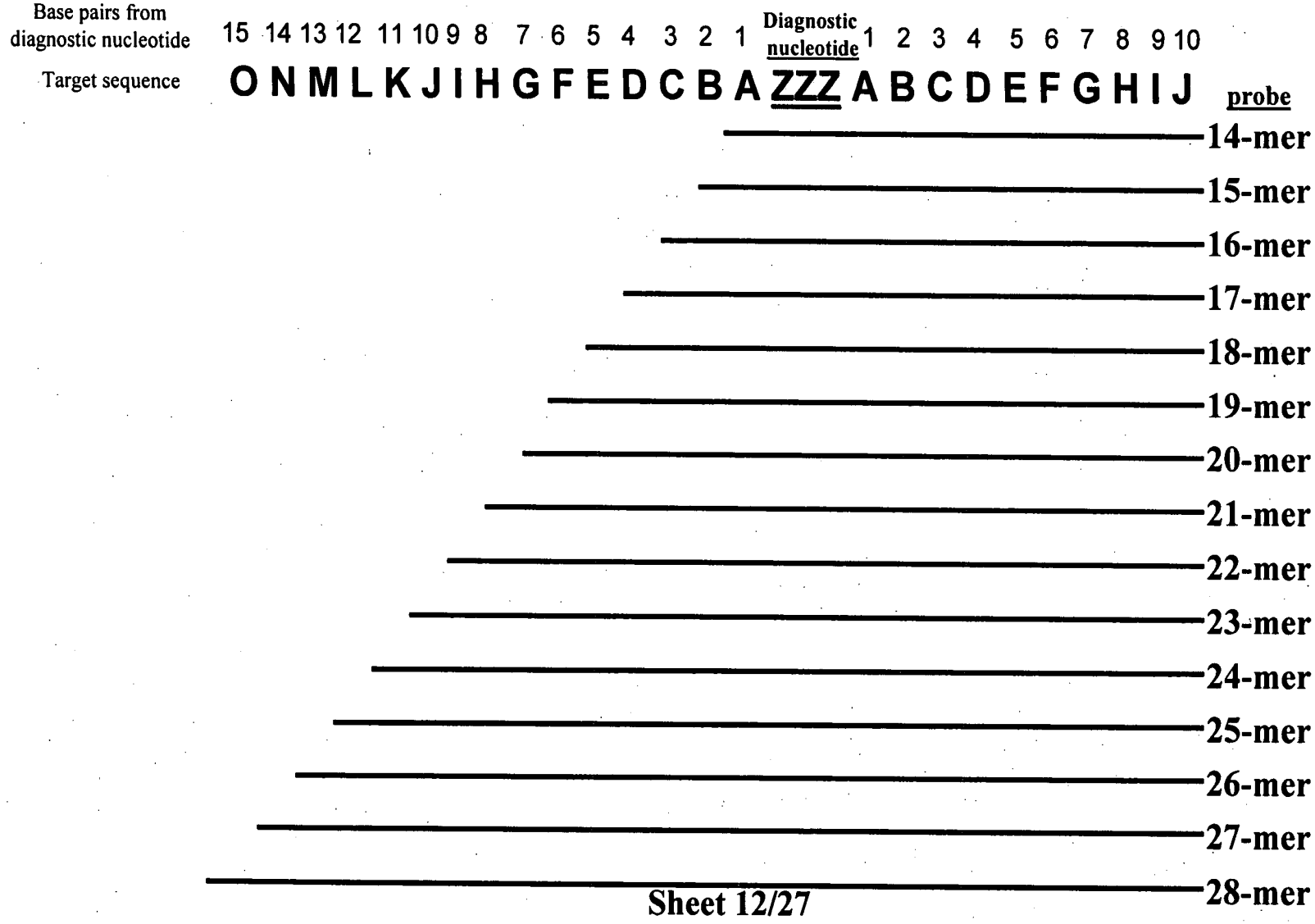
Base pairs from diagnostic nucleotide
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10
Target sequence
O N M L K J I H G F E D C B A ZZZ A B C D E F G H I J
probe
14-mer
15-mer
16-mer
17-mer
18-mer
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 12

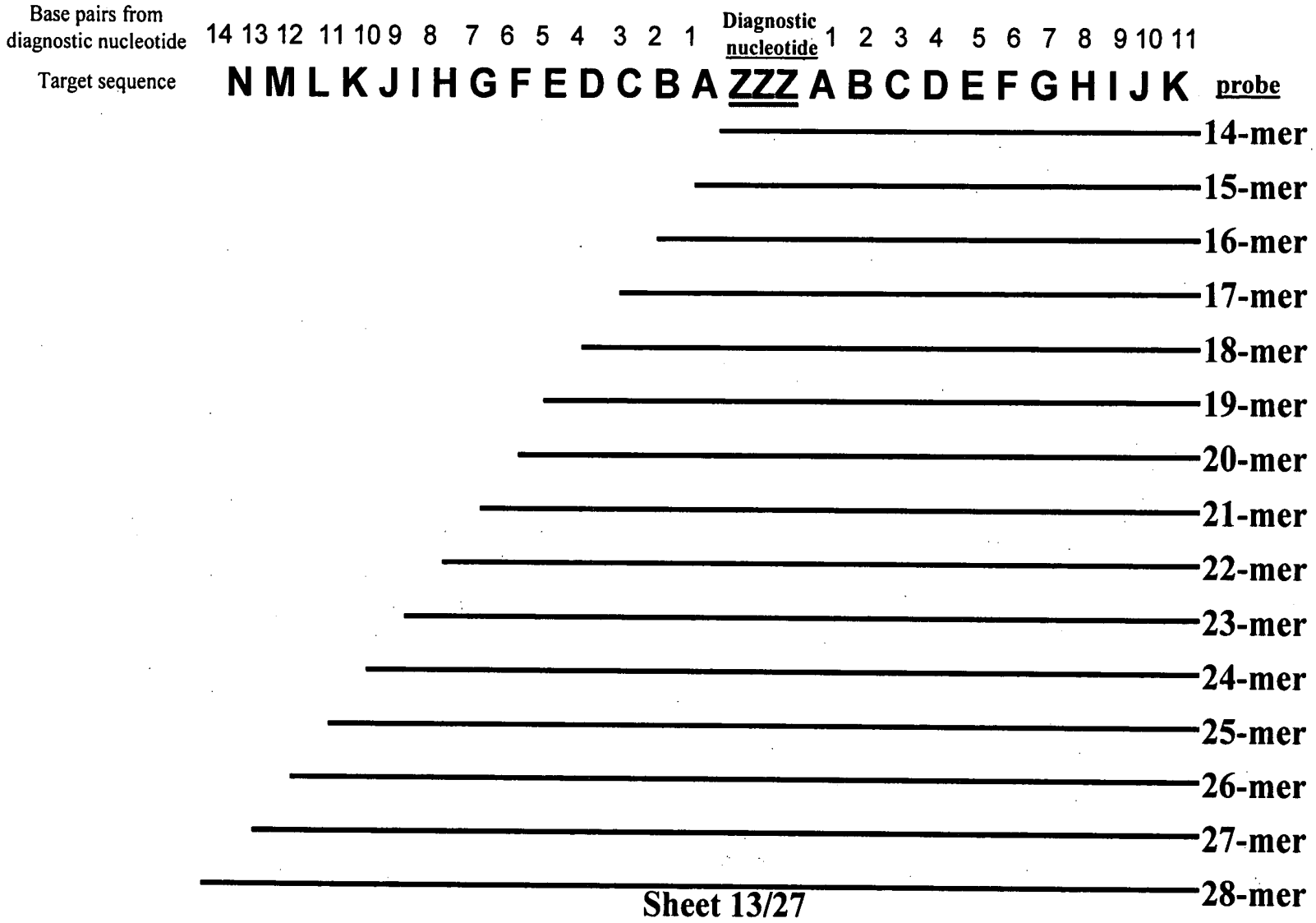
Base pairs from diagnostic nucleotide
14 13 12 11 10 9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11
Target sequence
N M L K J I H G F E D C B A ZZZ A B C D E F G H I J K
probe
14-mer
15-mer
16-mer
17-mer
18-mer
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 13

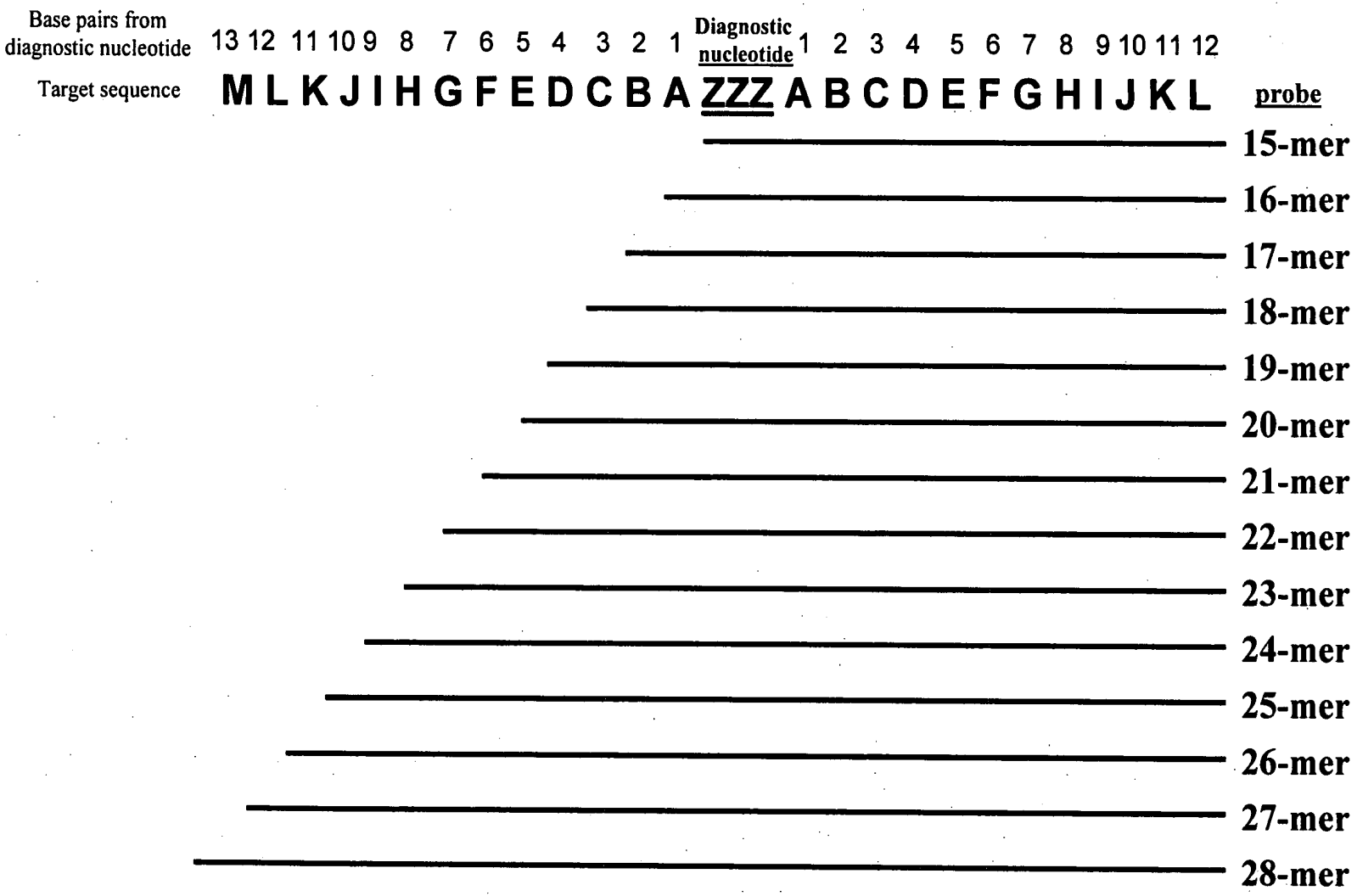
Base pairs from diagnostic nucleotide
13 12 11 10 9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12
Target sequence
M L K J I H G F E D C B A Z Z Z A B C D E F G H I J K L
probe
15-mer
16-mer
17-mer
18-mer
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 14

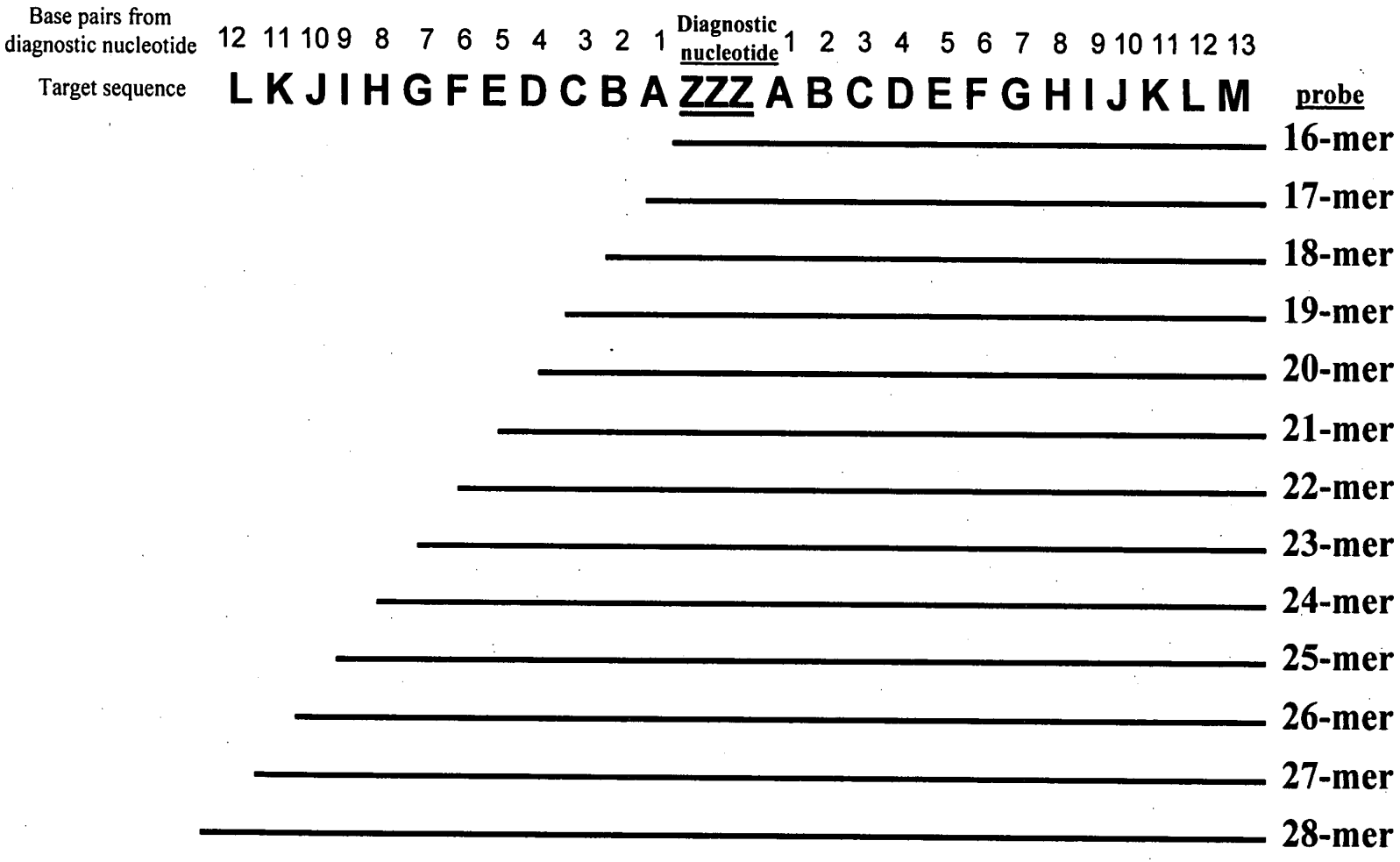
Base pairs from diagnostic nucleotide
12 11 10 9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13
Target sequence
L K J I H G F E D C B A ZZZ A B C D E F G H I J K L M
probe
16-mer
17-mer
18-mer
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 15

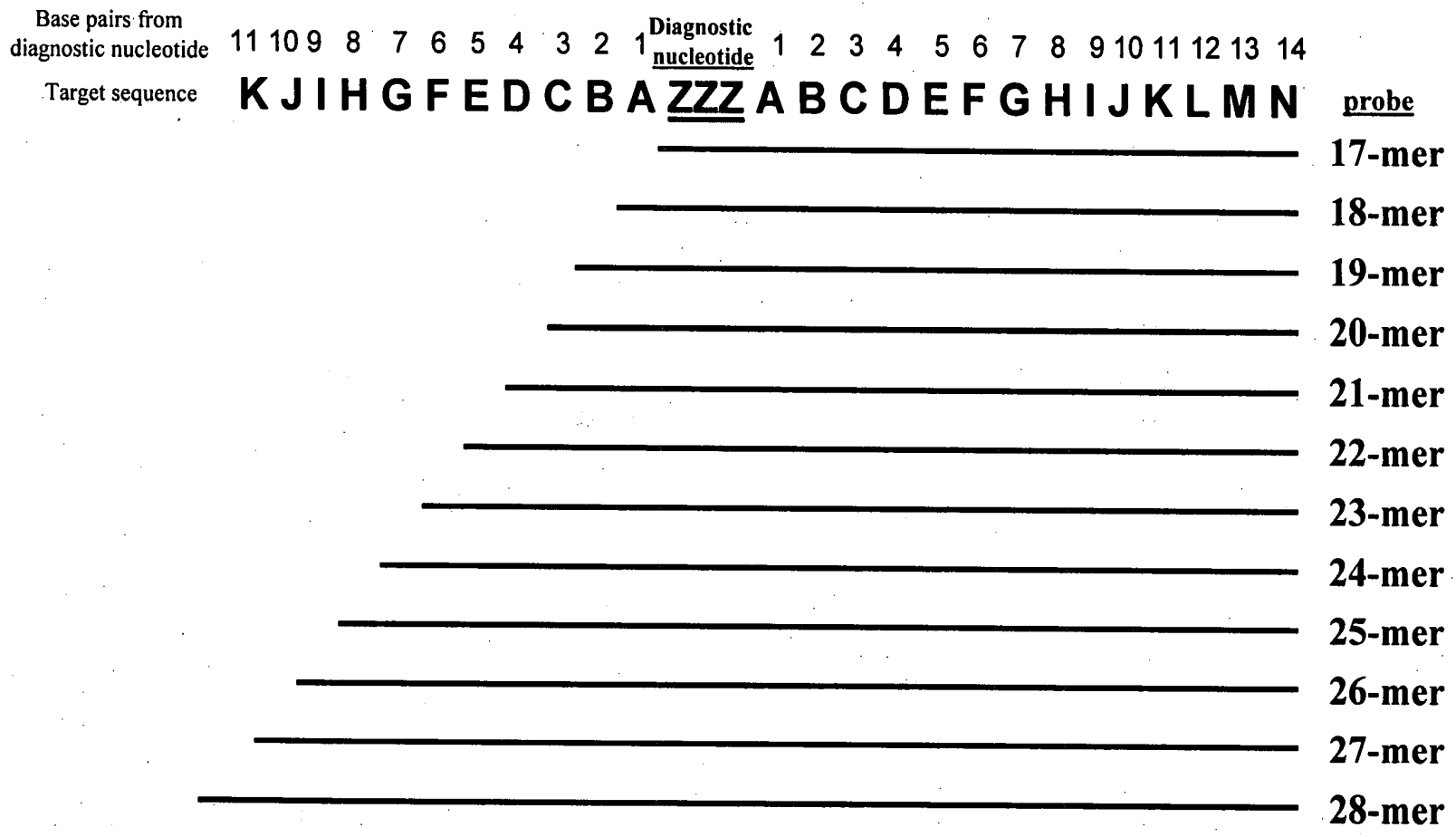

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Figure 16

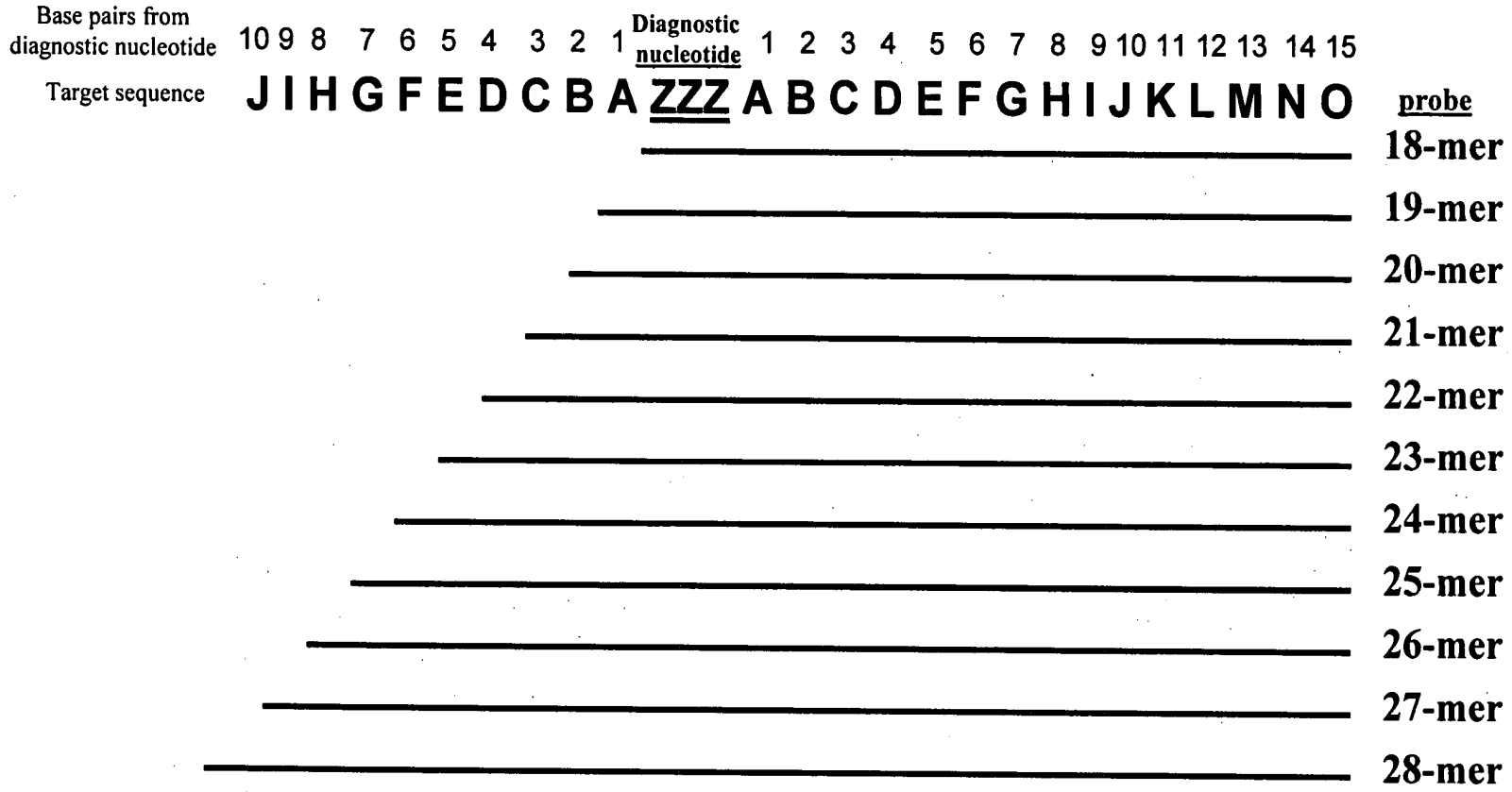
Base pairs from diagnostic nucleotide
10 9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Target sequence
J I H G F E D C B A Z Z Z A B C D E F G H I J K L M N O
probe
18-mer
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

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Figure 17

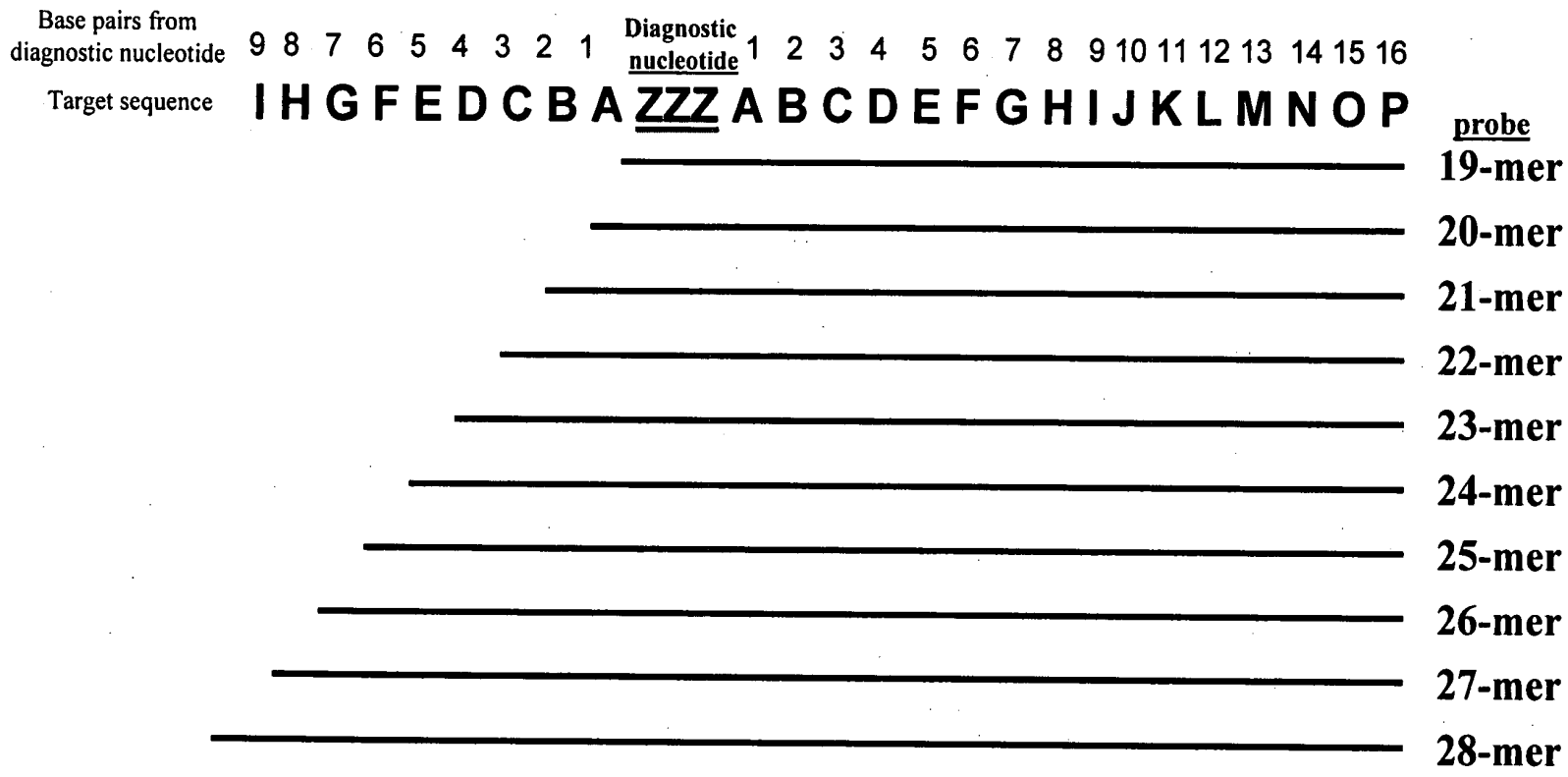
Base pairs from diagnostic nucleotide
9 8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Target sequence
I H G F E D C B A ZZZ A B C D E F G H I J K L M N O P
probe
19-mer
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

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Figure 18

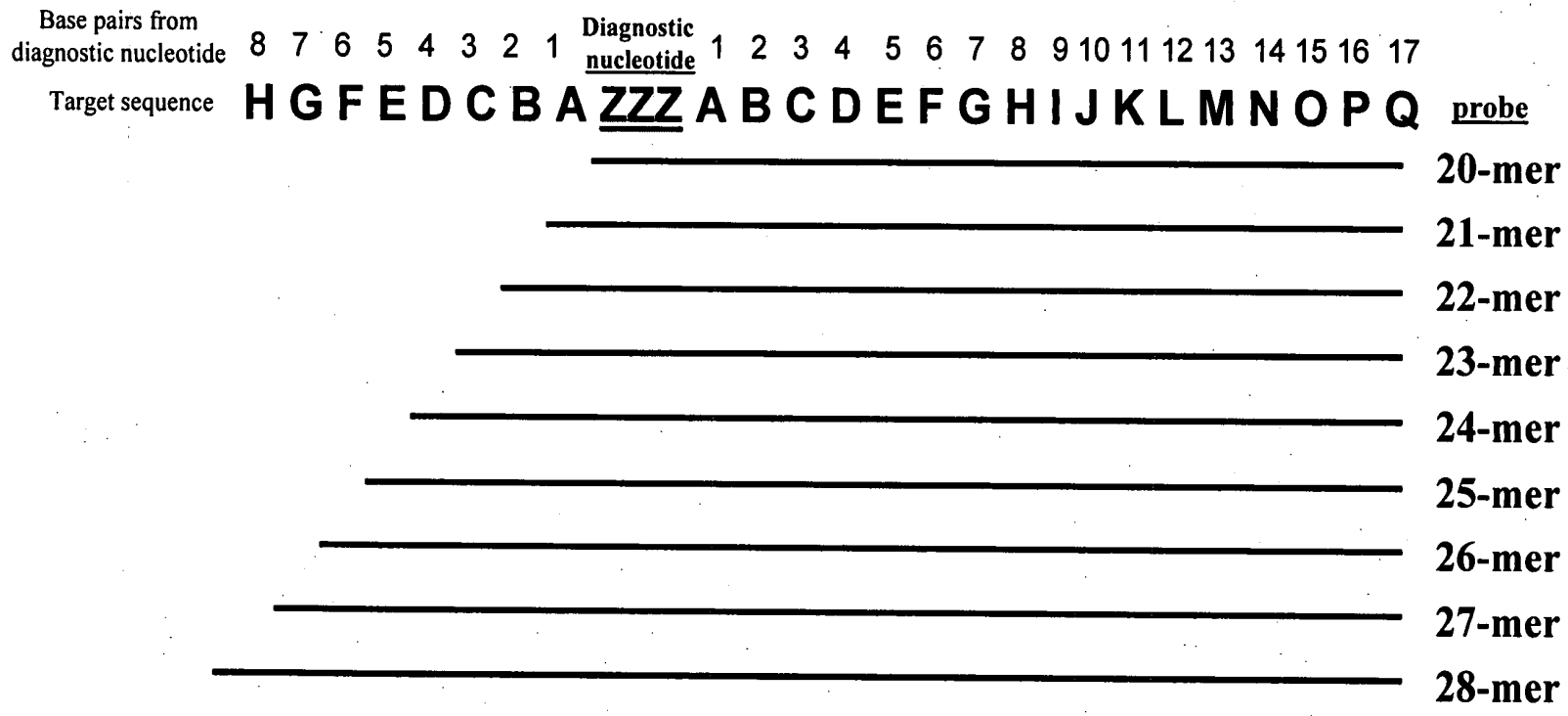
Base pairs from diagnostic nucleotide
8 7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Target sequence
H G F E D C B A Z Z Z A B C D E F G H I J K L M N O P Q
probe
20-mer
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

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Figure 19

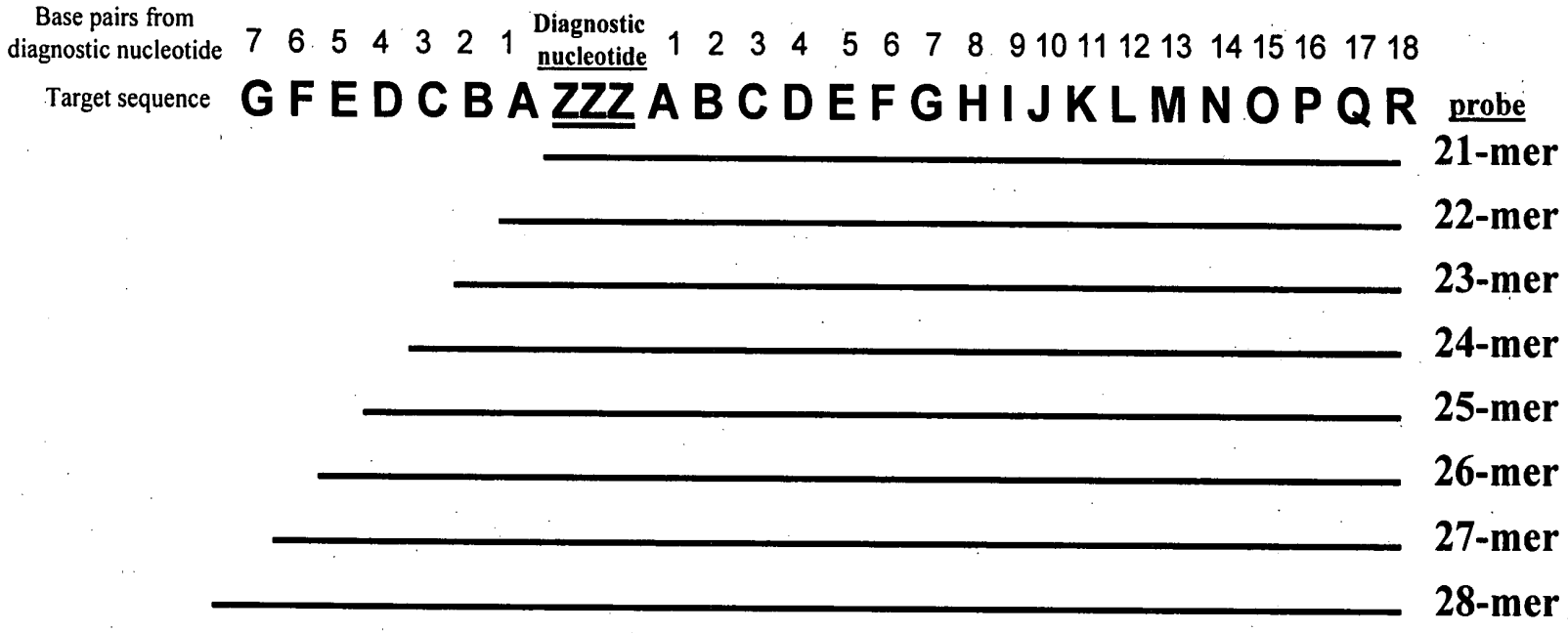
Base pairs from diagnostic nucleotide
7 6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Target sequence
G F E D C B A ZZZ A B C D E F G H I J K L M N O P Q R
probe
21-mer
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 20

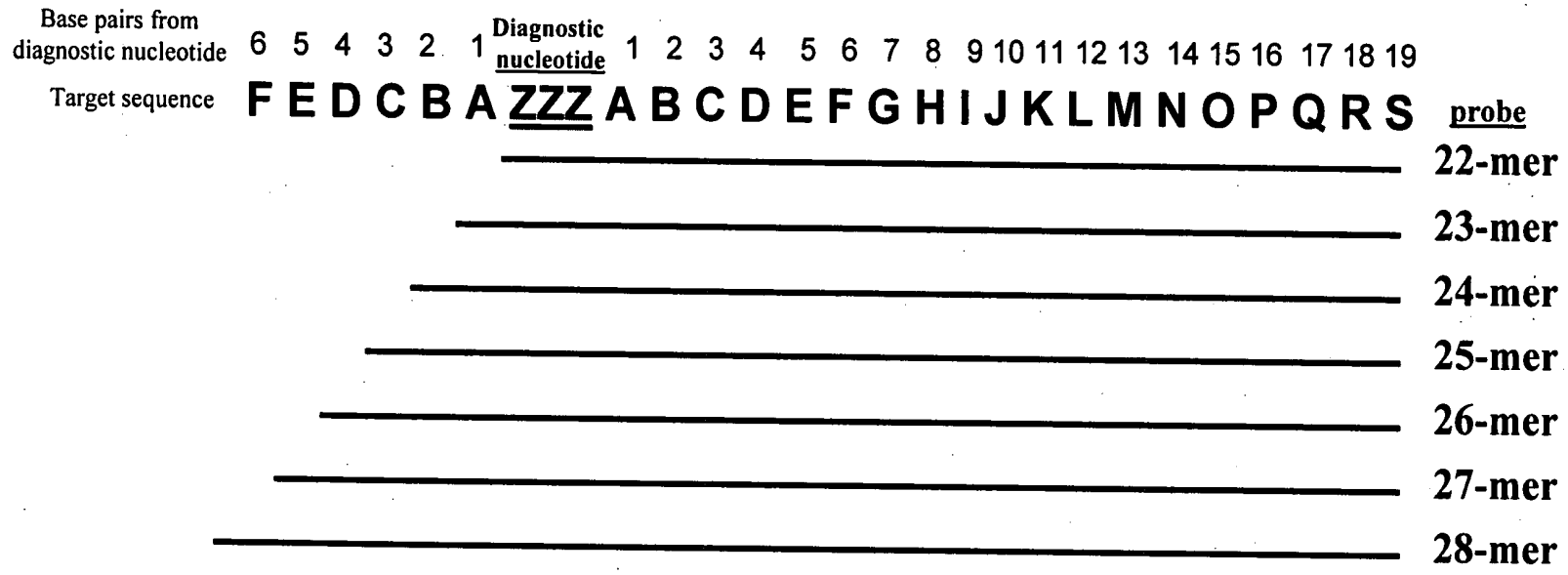
Base pairs from diagnostic nucleotide
6 5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Target sequence
F E D C B A ZZZ A B C D E F G H I J K L M N O P Q R S
probe
22-mer
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

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Figure 21

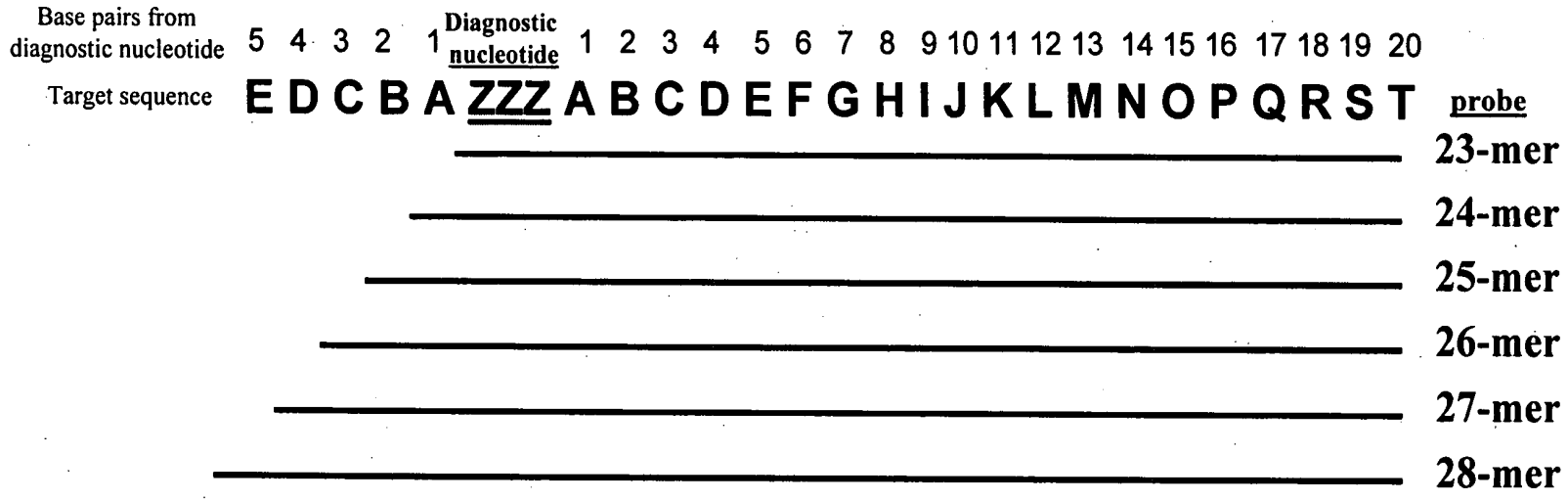
Base pairs from diagnostic nucleotide
5 4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Target sequence
E D C B A ZZZ A B C D E F G H I J K L M N O P Q R S T
probe
23-mer
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 22

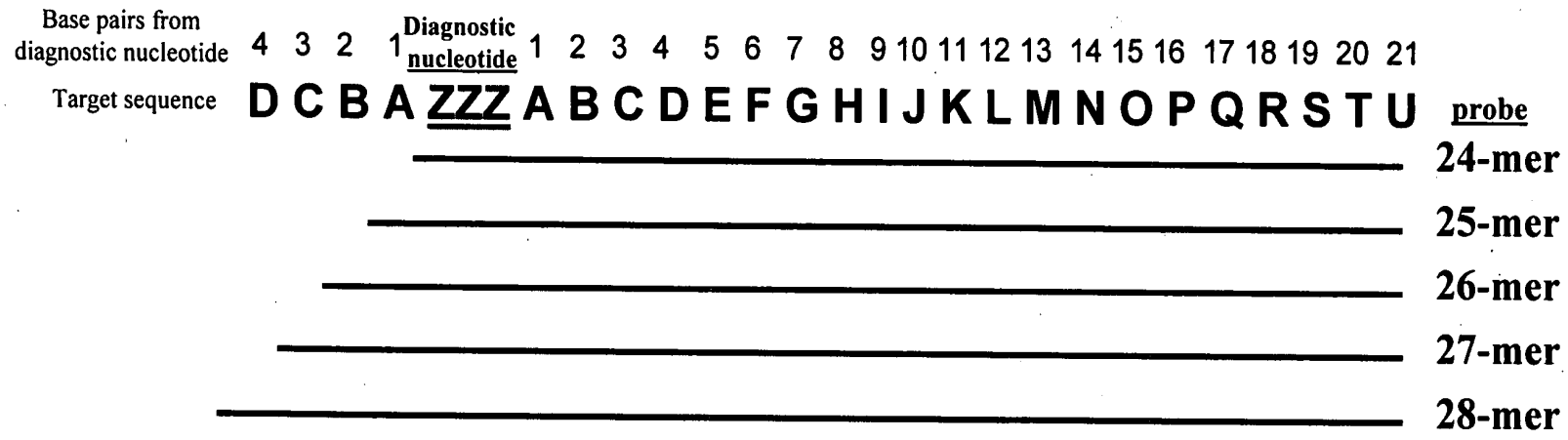
Base pairs from diagnostic nucleotide
4 3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
Target sequence
D C B A ZZZ A B C D E F G H I J K L M N O P Q R S T U
probe
24-mer
25-mer
26-mer
27-mer
28-mer

Figure 23

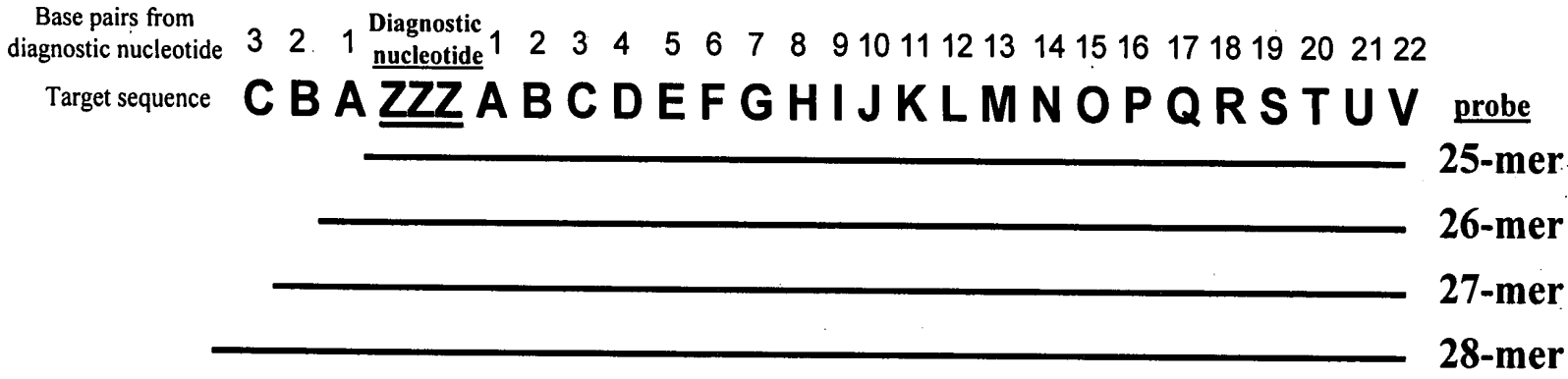
Base pairs from diagnostic nucleotide
3 2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
Target sequence
C B A ZZZ A B C D E F G H I J K L M N O P Q R S T U V
probe
25-mer
26-mer
27-mer
28-mer

Figure 24

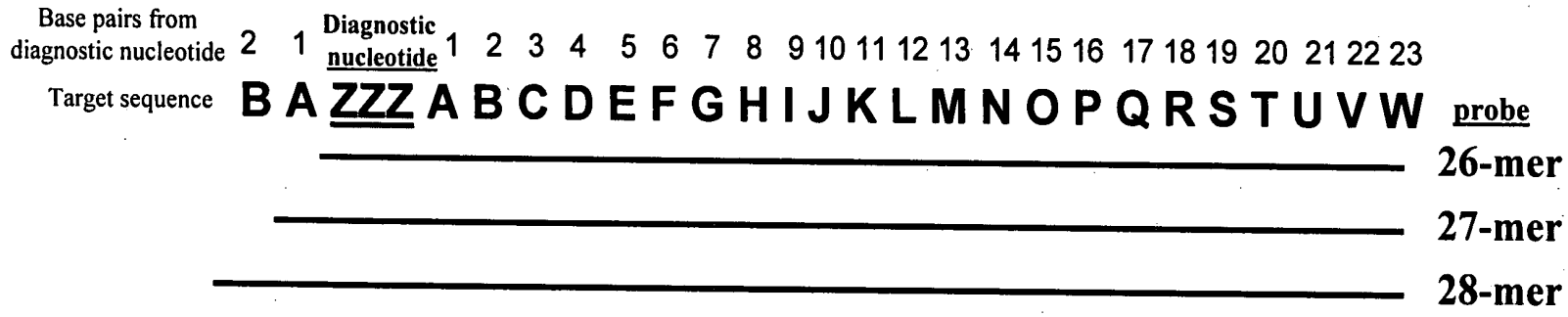
Base pairs from diagnostic nucleotide
2 1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Target sequence
B A ZZZ A B C D E F G H I J K L M N O P Q R S T U V W
probe
26-mer
27-mer
28-mer

Figure 25

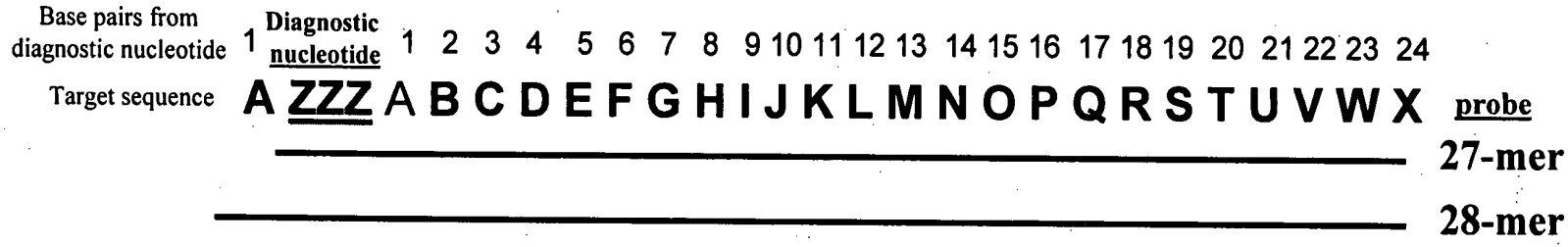
Base pairs from diagnostic nucleotide
1
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Target sequence
A ZZZ A B C D E F G H I J K L M N O P Q R S T U V W X
probe
27-mer
28-mer

Figure 26

Base pairs from diagnostic nucleotide
Diagnostic nucleotide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
Target sequence
ZZZ A B C D E F G H I J K L M N O P Q R S T U V W X Y
probe
28-mer

Figure 27